

Yagupolskii, L. M.
SYNTHÈSE DE DÉRIVÉS DE L'ÉTHÉR PHENYLTRI-
FLUOROMÉTHYLIQUE (Synthesis of Derivatives of
Phenyl Trifluoromethyl Ether). 6p. FR-1534.
Order from OTS, ETC or CNRS \$0.80 62-26517

Trans. in French of Akademiya Nauk SSSR Doklady
1955, v. 105, no. 1, p. 100-102.

DESCRIPTORS: *Phenyl radicals, *Methyl radicals,
*Fluorides, Ethers, Synthesis (Chemistry)

(Chemistry--Organic, IT, v. 10, no. 9)

62-26517

- I. Title: Phenyltrifluoromethyl ether
- I. Yagupolskii, L. M.
- II. F/R-1534
- III. Centre National de la Recherche Scientifique, Paris (France)

Office of Technical Services

Isotope Effect in the Mutual Solubility of Liquid
Deutero-Compounds, by I. B. Rabinovich, et al., 10 pp.

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pp 108-111.

HRCC- TT-875

Sci - Physics
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OTS TT-62-27741

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Electrical Conductivity of Concentrated Aqueous
Solutions of LiCl, NaCl and KCl at High Temperature,
by I. M. Rodnyanskiy, N. S. Galinker.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CV, 1955,
pp 115-118.

INSDOC-TL572

ATC 62-883

Sci -
Aug 58

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of Copper and Chromium, by E. A. Ukshe, A. I.
Levin, 9 pp.

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CIA/FID X-2212

Sci - Physics
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Specific Catalytic Activity of Period Metals
in the Ammonia Synthesis Reaction, by O. P.
Shecheglov, G. K. Boroskov, M. G. Shin'ko,
4 pp.

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ATS-OLM43R
ATS/RS-2532
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Sci
Vol. IV, No 7
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New Data on the Isotopic Composition of Lead
Samples, by A. P. Vinogradov, S. I. Zuilkov, 5 pp.

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Sci Mus Lib No 56/2312

Sci - Physics

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Carbohydrate Coacervates and Beta-
Amylase. by T. N. Evreinova, et al.
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Vol CV, No 1, 1955, pp 137-140.
NASA TT F-10,685

Sci-B&M

Mar 67

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Use of Continued Fractions for Discovering
Solutions of Integral Equations, by I. M. Stepin,
8 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CV,
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AEC Tr 2689

Sci. R. - 1031

Sci - Mathematics
Jul 57 CTS

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On Nonlinear Oscillations in Systems With Varying
Parameters, by V. O. Kozmenko, 6 pp.

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Martin D. Friedman 1/51

Scientific - Physics

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May 56 CJS/ear

Observations of the Production and Decay of
Unstable Particles in Emulsions, by V. V. Al'pers,
R. I. Gerasimova, I. I. Gurevish, A. P. Mishakova,
and L. V. Surkova, 12 pp.

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AEC Tr-254⁵

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Sci - Chemistry

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The Theory of the Intermediate State of Superconductors, by I. E. Dzyalozhinsky,

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No 2, p 244-247

SLA 61-17496
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\$3.50 37,284

Scientific - Physics

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The Dispersion of the Speed of Sound in Carbon
Disulphide, by V. A. Molchanov, I. L. Fabelinskiy,

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Sci - Physics

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Morris D. Weindman 11-10

Scientific - Physics

May 56 CFS/dex

The Diffusion of Chromium in Nickel Base
Solid Solutions, by P. L. Gruzin, G. B.
Fyedorov

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Vol CV, 1955, pp 264-267.

AEC Tr 2432

Scientific - Chemistry; Min/Metals
Apr 56 CTS/dex

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Faunistically new Cephalopods for the
Far-Eastern Seas of USSR, by
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Apr 66

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Isotope Exchange of Sulphur Atoms in Accelerating
and Vulcanizing Materials in the Presence of
Bisayx Diphenylguanidine and Phenyl- β -naphthyl-
amines by G. A. Blokh, E. A. Golubkova, K. V.
Kurskaya. 7 p.

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No 2. 1955. no 275 276.

Sci Tr C nter RT 4229

Scientific Chemistry

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A.C. 12 67 100 11 775

See 11-29, 11, 104/217
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Synthesis of Acid Chlorides of Silicon-Substituted
Ethylphosphinic Acids, by E. A. Chernyshev, A. D.
Petrov

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No 2, 1955, pp 282-285.

Assoc Tech Sv RJ-485

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Sci - Chemistry
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On the Problem of the Influence of the Decomposition Products and Some Admixtures on the Thermal Decomposition of Nitroglycerine, by K. K. Andreyev, A. P. Glazkova.

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Sci - Chem
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Kinetics of Thermal Decomposition of n-Propyl
Bromide and Iso-Propyl Bromide, by N. N. Semenov,
G. B. Sergeev, G. A. Kayralova, 9 pp. UNCL

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Tectonics of the Central Arctic, by D. G. Panov

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Scientific - Geophysics

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Spin and Parity of the γ -Meson, by I. I. Gurevich,
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AEC Tr 2840

Sci - Physics
Apr 57 CTS/dex

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Liquid-Vapor Phase Diagram of the H₂-He System,
by H. N. Engelen, H. G. Berenshaw.

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Scientific - Physics

Aug 1956

The Effect of Low Temperatures on the Lubricating
Capacity of Mineral Oils, by R. N. Matveyevskiy

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Assoc Tech Sv RJ-465

\$3.80

Sci - Engineering, Fuels
Jan 57 CTS

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Direct Synthesis of Polysilane Chlorides From
 α and β -Chloroalkylsilane Chlorides, by S. I.
Sadykhsade

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Assoc Tech Sv RJ-489
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Sci - Chemistry
Jan 57 CTS

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On the Question of Chemical Combinations Between
Boron and Silicon, by G. V. Samsonov, V. P.
Latysheva, 1 p.

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LC or BLA 59-10016

Sci - Chemistry
Feb 59

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Kinetics of Reduction of Iron Oxides by Gaseous
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RUSSIAN, ~~3~~ thrice-mo per, Dok Ak Nauk SSSR, Vol CV,
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Sci - Minerals/Metals, Chemistry

May 1956

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\$2.90

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No 3, 1955, pp 517-518.

US Dept of Commerce
National Bureau of
Standards (Gift)

Sci - Chemistry

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Daily Dynamics of Chlorophyll Content in Potato
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SLA Tr R-1341

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Jun 58

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Nutrition of Diptera Tenthredinidae by Means of
Filtration., by A.I. Shilova.

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July 1957

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~~SECRET~~ Micro-Organisms as Fish Food, by
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RUSSIAN, per, Dok Ak Nauk SSSR, Vol CV, No 3,

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*Fisheries Board
Canada
Vancouver Station* 65,876

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6 pp.

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Sci
Nov 61

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Study of Sky Brightness in the Region Around
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UNCLASSIFIED

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Dir Sci Info Sv
DRB, Canada
T 274 R

Sci - Astron
Aug 58

69, 433

62-24798

Bakulina, I. N. and Ionov, N. I.
CONCERNING THE ENERGY OF ELECTRON
AFFINITY OF HALOGEN ATOMS, tr. by George N.
Kasachoff and George F. Hill. 9 May 62 [7]p. 4 refs.
[AMC] (Redstone) Trans-nr 22-62.
Order from OTS or SLA \$1.10 62-24798

Trans. of Akademiya Nauk SSSR. [Doklady] 1955,
v. 105, no. 4, p. 680-682.

DESCRIPTORS: *Potassium compounds, *Halides,
Chlorides, Bromides, Iodides, Fluorides, Mass
spectroscopy, *Electrons, Electron capture, Energy.

The energy of the electron affinity of fluorine atoms
was proven to be considerably less than that of chlorine
atoms and differs only by a few hundredths of an elec-
tron volt from the energy of the electron affinity of
bromine atoms. (Author)
(Physics--Molecular, TT, v. 9, no. 8)

I. Bakulina, I. N.
II. Ionov, N. I.
III. AMC (Redstone) Trans-22-62
IV. Army Missile Command,
Redstone Arsenal, Ala.

Office of Technical Services

Angular Distribution of Fragments in Uranium²³⁸
Fission Induced by Neutrons of Various Energies,
by A. A. Varfolomeyev, A. S. Romantseva, V. M.
Kutukova, 3 pp.

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Vol CV, 1955, pp 693-695.

AEC Tr 2386

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Scientific - Physics

Mar 56 CTS/DEX

Electron-Optical Images of Ferromagnetic Domains,
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T. N. Dombrovskaya. *AP-117 67*

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~~Excerpted~~ No 4, p 706.-708

** FTS 9-17-67*
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SLA 61-17496

\$3.50

Scientific - Physics

Aug 1956

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1-18-65-589

Luminescence and Light Absorption of Diamond, by
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Sci - Physics
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On Investigating Unstable Complex Compounds in
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S. A. Shchukarev, O. A. Lobanova, 7 pp.

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Sci - Physics

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SCA TR R-1774

Electron-Microscope Study of the Hydration
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Assoc Tech Sv RJ-527
\$5.95 (\$1.45)

- Chemistry
Apr 1957 CTS/dsx

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The Nature of the Nitrogen-Containing Substances
in Sedimentary Deposits of the Ancient Caspian
and the Apsheron Formations, by N. T. Shabarova.

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Assoc Tech Sv
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Sci - Chemistry
Aug 57

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Mass Transfer in the Process of Film-Rectification-
Laminar Vapour Flow, by V. A. Malyusov, et al.

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1955, p 779.

NIL M. 2754

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Sci - Phys

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Jan 62

A New Mineral Ferroselite, by B. Z.
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SLA R 1658

Sci

Jul 58

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Biogenetic Elements in the Soil Solutions
of the Littoral Zone of the Eastern
Murmansk, by E. N. Chernovskaya.

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SCI - Geophys

Mar 62

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Fischer, G. B.
Chernovskaya
Murmansk Station

The Strengthening of Glass by Tempering, by I. I.
Kitaygorodskiy, V. L. Indenbom, 4 pp.

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CCT-245TT

Sci
Jan 60
Vol 2, No 7

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The Hypotensive Function of the Pancreas, by B. V. Andreyev,

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ATB RJ-2280

Sci - Med

May 60

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The Effect of Mechanical Agitation at Different Periods of Development on the Eggs of Autumn Chum Salmon, by A. I. Smirnov.

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QH301, C273, No 230

11/02 - 11/02/01

Sci - Biol
Sep 60

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On the Problem of Lithium, Beryllium and
Deuterium Content in the Solar Atmosphere, by
I. S. Shklovskiy, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
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ABC Tr 2757

Sci - Geophysics
Jun 57

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SLA 1719

To the Theory of Atomic Magnetic Moments in
Ferromagnetics, by N. S. Akulov, 7 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CV,
No 5, 1955, pp 935-938.

Morris D. Friedman

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Scientific - Nuclear Physics

Jun 56 CTS/dex

Fine Structure of the Basic X-Ray K-Absorption Spectrum of
Titanium in Some Dielectric Materials, by E. Ye. Vaynshteyn,
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JPRS 23510

Sci-Mat & Met
Mar 64

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Pion Pair Production by Gamma Radiation and Pion
Bremsstrahlung, by Yu. A. Vdovin, 5 pp.

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pp 947-949.

AEC Tr 2833

Sci - Physics

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Mar 57/CMS

An Effective Potential for the Pion-Nucleon
Interaction, by V. R. Velibekov, V. A.
Meshcheryakov, 4 pp.

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AEC Tr. 2412

SA A 61-17495

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Sci - Nuclear Physics

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Apr 56

The Production of Negative Ions by Charge
Exchange, by V. M. Dubelsky. UNCL

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1955, pp 955-957.

CCT-807B

Sci - Electronics
Sep 59

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Magnetic Contrast in an Electron Microscope and the Observation of Ferromagnetic Domains, by G. V. Spivak, I. N. Prilezhayeva, V. K. Azovtsev, 6 pp.

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Morris D. Friedman
\$3.00 5-118

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Sci - Physics
Dec 56 CTS

Application of the Photoresistance of CdS in
Combination With Phosphors as a Detector for
Cobalt-60 Gamma Rays, by S. D. Margolin, I. G.
Fakidov,

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pp 976-977.

AEC Tr-4000

Sci - Chem

May 60

117, 345

Tetra-1-Pyrryl Borate Salts, by V. A. Sazanova,
L. P. Sorokina, 5 pp.

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pp 993-996.

LC or SLA 59-10027.

Sci - Chemistry
Feb 59

180

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Inhibition and Acceleration of the Cracking of
Paraffin Hydrocarbons by Additions of Tetramethyl
Ethylene, by A. D. Stepukhovich, E. E. Nikitin,
7 pp.

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1955, pp 997-999.

Sci Mus Lib No 56/2541

Sci - Physics

42,858

Role of Diffusion in the Phenomenon of Adhesion of
High Polymers, by S. S. Vojutskiy, A. I. Shapovalova,
A. P. Pisarenko, 3 pp.

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No 5, 1955, pp 1000-1002.

514 R 932
Sci Mus Lib Tr: 57/1525

Sci - Physics
Nov 57

Vol. 1, 1955
55, 090

Mechanical Properties of Mixtures of Carbon
Black With Vaseline Oil, by V. A. Kargin,
G. L. Slonimskiy, Ye. V. Reznova, 6 pp.

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No 5, 1955, pp 1007-1009.

OTS 60-16656

Sci

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30 Mar 62

The Nature of the Slow Sorption of Gases by
Solids, by M. I. Temkin, N. V. Kul'mova, 8 pp.

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Sci Tr Center
RT-3965

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Sci - Chemistry
Sep 56 CTB/dcx

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C75 77-6 1121605

S-124/60

(NY-2000).

On the Effect of the Charge of the Substance
and the Dielectric Constant of the Solvent Upon
the Velocity of Hydrogen Exchange, by A. I.
Shatenstein, Ye. A. Yakovleva, 7 pp.

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1955, pp 1024-1027.

JPRS 2634

Sci - Chem
May 60

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(FDD 27763)

Influence^e of Change in the Structure of Bacterial
Protoplasts on Respiration and Inclusion of Labeled
Glycine, by A. I. Oparin, N. S. Gel'man, I. G. Zhukov,
8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CV,
No 5, Moscow, 1955, pp 1036-1039.

S. L. A. 2-377
CIA/ITD U-8642

✓
USSR

Sci - Chemistry, Biochemical; Biology

Aug 56 CTS/DEX

Malyusov, V. A., Umnik, N. N., and Zharoronkov,
N. M.

MASS TRANSFER IN PROCESSES OF FILM
RECTIFICATION - TURBULENT VAPOR FLOW
(Massoobmen v Protsesse Plenochnoi Rektifikatsii -
Turbulentnyi Potok Para). [1961] 3p. 8 refs. (DSIR
LLU) M. 2748.

Order from OTS or SLA \$1.10

61-23320

Unedited trans. of Akad[emiya] Nauk SSSR. (Doklad[y]
1955, v. 105, no. 5, p. 1057ff.)

DESCRIPTORS: Vapors, Turbulent flow, Separation,
*Mass transfer.

The equation $h_{og} = 11.1d^{0.64}Re_g^{0.25}Pr_g^{0.67}$ is
recommended for calculating the rectification process
in the range of Reynolds numbers $Re_g = 100$ to $15,000$.
(See also 59-18628, 61-23315)
(Chemistry--Physical, TT, v. 7, no. 7)

61-23320

- I. Malyusov, V. A.
- II. Umnik, N. N.
- III. Zharoronkov, N. M.
- IV. DSIR LLU M. 2748

Office of Technical Services

The Role of Tissue Sulfhydryl Groups in the Formation of Spreading Depression of the Bio-Electrical Activity of the Cerebral Cortex, by ~~Va~~, Buresh (J. Bures), Kh. S. Koshtoyants, (~~Assoc. Member of the Academy of Sciences, USSR~~) 8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CV, No 5, 1955, pp 1118-1120.

NIH Tr No 1-10

Sci - Medicine
Jan 1957 CTS/dex

OTS-TT 64-17498
43,219

The Motion of Small Solid Particles in a Free
Air Stream, by A. P. Chernov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CV, No 6,
1955, p 1170.

MLL M. 2744

OTS 61-22357
180,033

Sci - Phys

Jan 62

The Change in the Rotation of the Sun Caused by
Matter Falling into the Sun under the Poynting-
Robertson Effect by V. S. Safronov, 9 pp.

RUSSIAN, per, Doklady Akademii Nauk SSSR, Vol. CV,
No 6, 1955, pp 1184-1187.

ATIC REL-76/1

Sci
Geophys
Dec 60

184, 071

Concerning the Electrical Conductivity
and the Self-diffusion Coefficient of
the Ag Ion in AgI, by V.I. Baranovskiy,
et al.

RUSSIAN, per, Doklady Akad. Nauk, SSSR
Vol. 105, 1955, pp. 1188-1191

*CFSTI TR 70-57019

Sci/phys
Feb 70

Mass Differences of Elementary Particles, by A.
Brodsky, D. Ivanenko, N. Korst.

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No 6, p 1192. - 1195

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\$3.50

Scientific - Physics

Aug 1956

SLA 61-17494

Some Principles in the Structure of the Basic X-Ray
K-Absorption Edge of Atoms in Crystals of Alkali Halides,
by E. Ye. Vaynshteyn, R. L. Barinakiy, et al, 6 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CV, No 6, 1955,
pp 1196-1199.

JPRS 23510

Sci-Mat & Mer
Mar 64

251,526

Electric Resistance and its Variation in Weak
Magnetic Fields for ~~XXX~~ Iron-Nickel Alloys in
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